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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 08/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 12-06-21

Customer ID : Drain Side Wall Concrete(Cross Road-1)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	151.20 X 149.15 X 150.07	22551	**8.626**	535.6	23.8	23.4
2	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	149.59 X 150.58 X 149.92	22526	**8.320**	517.1	23.0	
3	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	151.38 X 150.44 X 151.34	22773	**8.801**	537.0	23.6	

* The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

K KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 22/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 17-06-21

Customer ID : Drain Side Wall Concrete(SC ST Smashana Road)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.61 X 149.25 X 150.25	22628	**8.512**	414.5	18.3	18.3
2	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.81 X 151.28 X 149.03	22966	**8.602**	415.6	18.1	
3	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.96 X 151.53 X 150.67	23027	**8.820**	427.3	18.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 13/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Agency : Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Customer's Reference : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Date of Receipt : EE(Project)/Ynk Zone/WO/150/2020-21

Customer ID : 17-06-21

Sample Type /Size : Drain Side Wall Concrete(SC ST Smashana Road)

Sample grade/Age : 150X150X150 mm

Reference to BIS codes : M20 / 28 Days Compressive Strength

Date of test : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 13/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	149.80 X 149.63 X 150.75	22416	**8.626**	520.1	23.2	22.8
2	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	150.50 X 151.56 X 149.44	22810	**8.320**	507.2	22.2	
3	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	150.59 X 150.73 X 149.41	22698	**8.801**	524.2	23.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-02-16-33** **Date: 22/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 17-06-21

Customer ID : Drain Side Wall Concrete(SC ST Smashana Road)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.61 X 149.25 X 150.25	22628	**8.512**	414.5	18.3	18.3
2	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.81 X 151.28 X 149.03	22966	**8.602**	415.6	18.1	
3	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.96 X 151.53 X 150.67	23027	**8.820**	427.3	18.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 13/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 17-06-21

Customer ID : Drain Side Wall Concrete(SC ST Smashana Road)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	149.80 X 149.63 X 150.75	22416	**8.626**	520.1	23.2	22.8
2	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	150.50 X 151.56 X 149.44	22810	**8.320**	507.2	22.2	
3	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	150.59 X 150.73 X 149.41	22698	**8.801**	524.2	23.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-02-16-33** **Date: 22/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 17-06-21

Customer ID : Drain Side Wall Concrete(SC ST Smashana Road)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.61 X 149.25 X 150.25	22628	**8.512**	414.5	18.3	18.3
2	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.81 X 151.28 X 149.03	22966	**8.602**	415.6	18.1	
3	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.96 X 151.53 X 150.67	23027	**8.820**	427.3	18.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-02-16-33** **Date: 13/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 17-06-21

Customer ID : Drain Side Wall Concrete(SC ST Smashana Road)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	149.80 X 149.63 X 150.75	22416	**8.626**	520.1	23.2	22.8
2	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	150.50 X 151.56 X 149.44	22810	**8.320**	507.2	22.2	
3	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	150.59 X 150.73 X 149.41	22698	**8.801**	524.2	23.1	

* The results obtained are satisfactory as per standard requirements.

20.7.21

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 22/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 17-06-21

Customer ID : Drain Side Wall Concrete(SC ST Smashana Road)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.61 X 149.25 X 150.25	22628	**8.512**	414.5	18.3	18.3
2	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.81 X 151.28 X 149.03	22966	**8.602**	415.6	18.1	
3	Drain Side Wall Concrete	M20	15/06/2021	22/06/2021	151.96 X 151.53 X 150.67	23027	**8.820**	427.3	18.6	

* The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

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Certificate No.: TC-5548

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 13/07/2021

Lab ID : **CP-2021-02-16-33**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 17-06-21

Customer ID : Drain Side Wall Concrete(SC ST Smashana Road)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	149.80 X 149.63 X 150.75	22416	**8.626**	520.1	23.2	22.8
2	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	150.50 X 151.56 X 149.44	22810	**8.320**	507.2	22.2	
3	Drain Side Wall Concrete	M20	15/06/2021	13/07/2021	150.59 X 150.73 X 149.41	22698	**8.801**	524.2	23.1	

* The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 25/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Agency : Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Customer's Reference : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Date of Receipt : EE(Project)/Ynk Zone/WO/150/2020-21

Customer ID : 21-06-21

Sample Type /Size : Culvert Bottom Slab Concrete(Kattigenahalli Main Road Connecting To Lake)

Sample grade/Age : 150X150X150 mm

Reference to BIS codes : M20 / 7 Days Compressive Strength

Date of test : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 25/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Bottom Slab Concrete	M20	18/06/2021	25/06/2021	151.91 X 150.51 X 151.11	22864	**8.512**	418.2	18.3	18.5
2	Culvert Bottom Slab Concrete	M20	18/06/2021	25/06/2021	151.16 X 149.09 X 150.39	22537	**8.602**	421.1	18.7	
3	Culvert Bottom Slab Concrete	M20	18/06/2021	25/06/2021	151.22 X 151.16 X 151.57	22858	**8.820**	426.5	18.7	

* The results obtained are satisfactory as per standard requirements.

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 16/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony . Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Agency : Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Customer's Reference : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Date of Receipt : EE(Project)/Ynk Zone/WO/150/2020-21

Customer ID : 21-06-21

Sample Type /Size : Culvert Bottom Slab Concrete(Kattigenahalli Main Road Connecting To Lake)

Sample grade/Age : 150X150X150 mm

Reference to BIS codes : M20 / 28 Days Compressive Strength

Date of test : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 16/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Bottom Slab Concrete	M20	18/06/2021	16/07/2021	149.75 X 149.32 X 151.89	22361	**8.626**	526.2	23.5	23.1
2	Culvert Bottom Slab Concrete	M20	18/06/2021	16/07/2021	150.12 X 150.69 X 151.34	22622	**8.320**	503.5	22.3	
3	Culvert Bottom Slab Concrete	M20	18/06/2021	16/07/2021	151.81 X 150.87 X 149.89	22903	**8.801**	539.0	23.5	

* The results obtained are satisfactory as per standard requirements.

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 25/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 21-06-21

Customer ID : Culvert Bottom Slab Concrete(Kattigenahalli Main Road Connecting To Lake)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Bottom Slab Concrete	M20	18/06/2021	25/06/2021	151.91 X 150.51 X 151.11	22864	**8.512**	418.2	18.3	18.5
2	Culvert Bottom Slab Concrete	M20	18/06/2021	25/06/2021	151.16 X 149.09 X 150.39	22537	**8.602**	421.1	18.7	
3	Culvert Bottom Slab Concrete	M20	18/06/2021	25/06/2021	151.22 X 151.16 X 151.57	22858	**8.820**	426.5	18.7	

* The results obtained are satisfactory as per standard requirements.

20.06.21

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 16/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Agency : Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Customer's Reference : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Date of Receipt : EE(Project)/Ynk Zone/WO/150/2020-21

Customer ID : 21-06-21

Sample Type /Size : Culvert Bottom Slab Concrete(Kattigenahalli Main Road Connecting To Lake)

Sample grade/Age : 150X150X150 mm

Reference to BIS codes : M20 / 28 Days Compressive Strength

Date of test : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 16/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Bottom Slab Concrete	M20	18/06/2021	16/07/2021	149.75 X 149.32 X 151.89	22361	**8.626**	526.2	23.5	23.1
2	Culvert Bottom Slab Concrete	M20	18/06/2021	16/07/2021	150.12 X 150.69 X 151.34	22622	**8.320**	503.5	22.3	
3	Culvert Bottom Slab Concrete	M20	18/06/2021	16/07/2021	151.81 X 150.87 X 149.89	22903	**8.801**	539.0	23.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33

Date: 28/06/2021

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 23-06-21

Customer ID : Culvert Side Wall Concrete (Smashana Road)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall Concrete	M20	21/06/2021	28/06/2021	151.79 X 151.66 X 151.95	23021	8.512	414.9	18.0	18.3
2	Culvert Side Wall Concrete	M20	21/06/2021	28/06/2021	150.48 X 149.35 X 151.96	22473	8.602	410.0	18.2	
3	Culvert Side Wall Concrete	M20	21/06/2021	28/06/2021	150.31 X 149.31 X 151.19	22443	8.820	419.5	18.7	

* The results obtained are satisfactory as per standard requirements.

FOR CIVIL Pro.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 19/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 23-06-21

Customer ID : Culvert Side Wall Concrete (Smashana Road)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall Concrete	M20	21/06/2021	19/07/2021	151.65 X 151.74 X 149.64	23011	**8.626**	542.1	23.6	22.9
2	Culvert Side Wall Concrete	M20	21/06/2021	19/07/2021	150.01 X 149.24 X 151.48	22389	**8.320**	496.5	22.2	
3	Culvert Side Wall Concrete	M20	21/06/2021	19/07/2021	151.21 X 149.27 X 150.16	22571	**8.801**	519.6	23.0	

* The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 28/06/2021

Lab ID : CP-2021-02-16-33

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 23-06-21

Customer ID : Culvert Side Wall Concrete (Smashana Road)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete CL5

Date of test : 28/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall Concrete	M20	21/06/2021	28/06/2021	151.79 X 151.66 X 151.95	23021	8.512	414.9	18.0	18.3
2	Culvert Side Wall Concrete	M20	21/06/2021	28/06/2021	150.48 X 149.35 X 151.96	22473	8.602	410.0	18.2	
3	Culvert Side Wall Concrete	M20	21/06/2021	28/06/2021	150.31 X 149.31 X 151.19	22443	8.820	419.5	18.7	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 19/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 23-06-21

Customer ID : Culvert Side Wall Concrete (Smashana Road)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall Concrete	M20	21/06/2021	19/07/2021	151.65 X 151.74 X 149.64	23011	**8.626**	542.1	23.6	22.9
2	Culvert Side Wall Concrete	M20	21/06/2021	19/07/2021	150.01 X 149.24 X 151.48	22389	**8.320**	496.5	22.2	
3	Culvert Side Wall Concrete	M20	21/06/2021	19/07/2021	151.21 X 149.27 X 150.16	22571	**8.801**	519.6	23.0	

* The results obtained are satisfactory as per standard requirements.

20.07.21

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TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID : **CP-RW-2021-02-16-33** **Date: 10-07-21**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappa Nagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 08-07-21

Type of Mix : GSB (Granular Sub Base)

Date of test : 08-07-21

Oven Dry Weight : 10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	997	997	9.97	90.03	80-100
26.5	1685	2682	26.82	73.18	55-90
9.5	1292	3974	39.74	60.26	35-65
4.75	1490	5464	54.64	45.36	25-55
2.36	1764	7228	72.28	27.72	20-40
0.425	1666	8894	88.94	11.06	10-25
0.075	1106	10000	100.00	0.00	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table
1	Liquid Limit, %	21.33%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

20.07.21

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TEST RESULTS OF GRADATION FOR WMM

Lab ID : **CP-RW-2021-02-16-33** **Date: 17-07-21**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappa Nagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 15-07-21

Type of Mix : WMM (Wet Mix Macadam)

Date of test : 15-07-21

Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	315	315	2.9	97.1	95-100
22.4	2259	2574	23.4	76.6	60-80
11.2	2179	4753	43.2	56.8	40-60
4.75	2251	7004	63.7	36.3	25-40
2.36	1621	8625	78.4	21.6	15-30
0.6	623	9248	84.1	15.9	8-22
0.075	1338	10586	96.2	3.8	0-5

* The results obtained are satisfactory as per standard requirements.

20-07-21

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TEST REPORT OF AGGEGRATE IMPACT VALUE
IS: 2386 Part IV

Lab ID : **CP-RW-2021-02-16-33** **Date: 17-07-21**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappa Nagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 15-07-21

Type of Mix : Coarse Aggregate for WMM (Wet Mix Macadam)

Date of test : 15-07-21

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	300.2	300.2
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	73.9	74.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	225.9	225.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.4	0.4
5	Aggregate impact value	(B/A)*100	24.6	24.7
6	Aggregate impact value (Mean of two tests)	Pecentage	24.6	

* The results obtained are satisfactory as per standard requirements.

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